

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 23, 2004, 14:21:10 ; Search time 46 Seconds  
(without alignments)  
1674.694 Million cell updates/sec

Title: US-09-822-295-2\_COPY\_49\_294

Perfect score: 1322  
Sequence: 1 AEKPNIKKNRYKDIIPDY.....TQEYELVYNAVLELFRQM 246

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1288442 seqs, 313154207 residues

Total number of hits satisfying chosen parameters: 1288442

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	1298.5	98.2	808	15	US-10-309-423-2
4	1220	92.3	802	9	US-09-822-295-18
5	1220	92.3	802	15	US-10-366-547-95
6	1220	92.3	802	15	US-10-309-423-5
7	946	71.6	773	16	US-10-322-281-845
8	946	71.6	778	16	US-10-322-281-848
9	946	71.6	780	15	US-10-366-547-71
10	945	71.5	780	15	US-10-366-547-69
11	943	71.3	382	15	US-10-366-547-77
12	937	70.9	775	15	US-10-366-547-75
13	924	69.9	312	9	US-09-788-626-21
14	713	53.9	448	13	US-10-087-993-32
15	713	53.9	453	14	US-10-243-687-7

16	696	52.6	458	13	US-10-087-993-36	Sequence 36, Appl
17	596	45.1	235	12	US-10-087-684-94	Sequence 94, Appl
18	596	45.1	235	12	US-10-218-779-94	Sequence 94, Appl
19	596	45.1	235	12	US-10-072-012-819	Sequence 819, Appl
20	575	43.5	283	12	US-10-087-684-93	Sequence 93, Appl
21	575	43.5	283	12	US-10-218-779-93	Sequence 93, Appl
22	525.5	39.8	264	14	US-10-245-539-6	Sequence 6, Appl
23	500	37.8	1444	12	US-10-058-270A-98	Sequence 98, Appl
24	500	37.8	1463	14	US-10-176-847-22	Sequence 22, Appl
25	500	37.8	1463	14	US-10-205-823-343	Sequence 22, Appl
26	492	37.2	1238	15	US-10-366-547-47	Sequence 343, Appl
27	491	37.1	341	9	US-09-788-626-23	Sequence 47, Appl
28	488	36.9	1337	14	US-10-390-501-2	Sequence 23, Appl
29	488	36.9	1337	15	US-10-366-547-42	Sequence 2, Appl
30	488	36.9	1337	15	US-10-366-547-44	Sequence 44, Appl
31	488	36.9	1439	15	US-09-887-669-2	Sequence 2, Appl
32	488	36.9	1439	16	US-10-408-785A-284	Sequence 284, Appl
33	487	36.8	1216	15	US-10-366-547-49	Sequence 49, Appl
34	481	36.4	623	12	US-10-296-115-1190	Sequence 1190, Appl
35	481	36.4	1452	16	US-10-408-785A-83	Sequence 83, Appl
36	475	35.9	1452	12	US-09-887-669-8	Sequence 8, Appl
37	474	35.9	1457	12	US-09-887-669-1	Sequence 1, Appl
38	473	35.8	305	9	US-09-788-626-9	Sequence 9, Appl
39	472.5	35.7	344	16	US-10-408-785A-1670	Sequence 1670, Appl
40	472	35.7	252	14	US-10-314-232-12	Sequence 12, Appl
41	472	35.7	1143	15	US-10-366-547-81	Sequence 81, Appl
42	472	35.7	1304	15	US-10-116-275-237	Sequence 237, Appl
43	472	35.7	1304	15	US-10-366-547-79	Sequence 79, Appl
44	470.5	35.6	442	9	US-09-925-300-950	Sequence 950, Appl
45	470.5	35.6	647	15	US-10-291-265-722	Sequence 722, Appl

ALIGNMENTS

RESULT 1

US-09-822-295-2  
; Sequence 2, Application US/09822295  
; Patent No. US20020119501A1  
; GENERAL INFORMATION:  
; APPLICANT: Bahija Jallal  
; Gregory D. Plowman  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF  
; PTP04 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FASTSEQ for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/822,295  
; FILING DATE: 02-Apr-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/081,345  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 234/253  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440







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; APPLICANT: Cool, Deborah E.
; TITLE OF INVENTION: REVERSIBLE OXIDATION OF PROTEIN TYROSINE
; FILE REFERENCE: 200125.439
; CURRENT APPLICATION NUMBER: US/10/366,547
; CURRENT FILING DATE: 2003-02-12
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69
; LENGTH: 780
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-366-547-69

Query Match      71.3%; Score 943; DB 15; Length 780;
Best Local Similarity 68.2%; Pred. No. 8e-94;
Matches 167; Conservative 40; Mismatches 38; Indels 0; Gaps 0;

QY 2 EKPNIKNRYKDILPYDYSRVLSLTSDESDSYINANFIKGYGPKAYIATQGPLSTT 61
DB 54 EKEENVKKNRYKDILPDPHSRVKLTLPSPQSDSYINANFIKGYGPKAYIATQGPLANT 113
QY 62 LLDPRMIWEYSVLIIWACWEMGKKCERYWAEPEGMOLEFGPFSVSCAEKRSKY 121
DB 114 VIDPRMIWEYNVLIWACREFEMGRKKERYWPLYGEDPITFAPFKISCENEQARTDY 173
QY 122 IIRTLKVKFNSETRTIYQHYKNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 181
DB 174 FIRTLLLEFQNESRRLYQHYVNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 233
QY 182 GCGRTGVCICADYTWMLIKDGIIPENFSVSLIREMRTQPSLVTQSYQYELVYNAVL 241
DB 234 GCGRTGAICADYTWMLIKAGKIPPEFNVNLIQEMRTQHSVAVQTKQYELVHRAIAQL 293
QY 242 FKQOM 246
DB 294 FEKQL 298

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Best Local Similarity 68.2%; Pred. No. 5e-94;
Matches 167; Conservative 40; Mismatches 38; Indels 0; Gaps 0;

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DB 54 EKEENVKKNRYKDILPDPHSRVKLTLPSPQSDSYINANFIKGYGPKAYIATQGPLANT 113
QY 62 LLDPRMIWEYSVLIIWACWEMGKKCERYWAEPEGMOLEFGPFSVSCAEKRSKY 121
DB 114 VIDPRMIWEYNVLIWACREFEMGRKKCERYWPLYGEDPITFAPFKISCENEQARTDY 173
QY 122 IIRTLKVKFNSETRTIYQHYKNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 181
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DB 174 FIRTLLLEFQNESRRLYQHYVNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 233
QY 182 GCGRTGVCICADYTWMLIKDGIIPENFSVSLIREMRTQPSLVTQSYQYELVYNAVL 241
DB 234 GCGRTGAICADYTWMLIKAGKIPPEFNVNLIQEMRTQHSVAVQTKQYELVHRAIAQL 293
QY 242 FKQOM 246
DB 294 FEKQL 298

RESULT 12
US-10-366-547-75
; Sequence 75, Application US/10366547
; Publication No. US20030215899A1
; GENERAL INFORMATION:
; APPLICANT: Meng, Tzu-Ching
; APPLICANT: Tonks, Nicholas K.
; APPLICANT: Cool, Deborah E.
; TITLE OF INVENTION: REVERSIBLE OXIDATION OF PROTEIN TYROSINE
; FILE REFERENCE: 200125.439
; CURRENT APPLICATION NUMBER: US/10/366,547
; CURRENT FILING DATE: 2003-02-12
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 775
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-366-547-75

Query Match      70.9%; Score 937; DB 15; Length 775;
Best Local Similarity 67.8%; Pred. No. 6e-93;
Matches 166; Conservative 39; Mismatches 40; Indels 0; Gaps 0;

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DB 54 EKEENVKKNRYKDILPDPHSRVKLTLPSPQSDSYINANFIKGYGPKAYIATQGPLFRNT 113
QY 62 LLDPRMIWEYSVLIIWACWEMGKKCERYWAEPEGMOLEFGPFSVSCAEKRSKY 121
DB 114 VIDPRMIWEYNVLIWACREFEMGRKKCERYWPLYGEDPITFAPFKISCENEQARTDY 173
QY 122 IIRTLKVKFNSETRTIYQHYKNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 181
DB 174 FIRTLLLEFQNESRRLYQHYVNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 233
QY 182 GCGRTGVCICADYTWMLIKDGIIPENFSVSLIREMRTQPSLVTQSYQYELVYNAVL 241
DB 234 GCGRTGAICADYTWMLIKAGKIPPEFNVNLIQEMRTQHSVAVQTKQYELVHRAIAQL 293
QY 242 FKQOM 246
DB 294 FEKQL 298

RESULT 13
US-09-788-626-21
; Sequence 21, Application US/09788626
; Patent No. US20020009762A1
; GENERAL INFORMATION:
; APPLICANT: Flint, Andrew J.
; APPLICANT: Cool, Deborah E.
; TITLE OF INVENTION: IMPROVED ASSAY FOR PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATES
; FILE REFERENCE: 200125.401
; CURRENT APPLICATION NUMBER: US/09/788,626
; CURRENT FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
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LENGTH: 312  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-788-626-21

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Best Local Similarity 69.9%; Score 924; DB 9; Length 312;  
Matches 165; Conservative 40; Mismatches 38; Indels 2; Gaps 1;

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6 EKEENVKQRYKIDILPFHDSRVKLTLPQSDSDYINANFIKGVGPKAYIATQGPLANT 67  
62 LLDPRMTWYSVLIIWACMEYEMGKKCKERYWAEFGEMOLEFGPFSVSCAEKRSXY 121  
68 VIDFWMWYVNVIIWACREFEMGRKKCKERYPLGYEDFITFAPFKISCDDQARTDY 127  
122 IIRTLKVFNSERTIYQHYKNWPDHVPSSIDPILIMDVRCYQEDDSVPICIHCSA 181  
128 FI--LLEFQNESRELYQHYVNWPDHVPSSFDSDILMSLMRKYOEHEDEVPICHSA 185  
132 GCGRTGVCADITYTWMLKDGIIIPENFSVFLIRNMQRPSTQOYELVNAVLEL 241  
186 GCGRTGVCADITYTWMLKDGIIIPENFSVFLIRNMQRPSTQOYELVNAVLEL 245

QY 242 FKQOM 246  
DB 246 FEKQL 250

RESULT 14  
US-10-087-993-32  
Sequence 32, Application US/10087993  
Publication No. US20020169303A1

GENERAL INFORMATION:  
APPLICANT: Ullrich, Axel  
Aoki, Naohito  
Kim, Yeong Woong  
Wang, Hong Yang  
Chen, Zhengjun  
Naylor, Oliver  
Kharitonkov, Alexei Igorevich

TITLE OF INVENTION: NOVEL PTP20, PCB-2, BOP1, CLK,  
AND SIRP POLYPEPTIDES AND RELATED  
PRODUCTS AND METHODS

NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq for Windows 2.0

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/087,993  
FILING DATE: 03-Mar-2002  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/877,150  
FILING DATE: June 17, 1997  
APPLICATION NUMBER: U.S. 60/019,629  
FILING DATE: June 17, 1996  
APPLICATION NUMBER: U.S. 60/023,485  
FILING DATE: August 9, 1996  
APPLICATION NUMBER: U.S. 60/030,860  
FILING DATE: No. US20020169303A1ember 13, 1996

APPLICATION NUMBER: U.S. 60/034,286  
FILING DATE: December 19, 1996  
APPLICATION NUMBER: U.S. 60/030,964  
FILING DATE: No. US20020169303A1ember 15, 1996

ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 225/298  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 453 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 32:  
US-10-087-993-32

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Best Local Similarity 53.7%; Pred. No. 8.3e-69;  
Matches 130; Conservative 41; Mismatches 69; Indels 2; Gaps 2;

QY 6 NTKNRYKIDILPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLSTLLDF 65  
DB 56 NSKNRYKIDVVPYDETRVLSLLQEEHGDIYINANFIRGTGSGQAYIATQGPLHTLLDF 115  
QY 66 WRMIWYSVLIIWACMEYEMGKKCKERYWAEFGEMOLEFGPFSVSCAEKX-KSDYIIR 124  
DB 116 WRLWFEFGIKVILMACQETENGRRKCKERYWAEFGEMOLEFGPFSVSCAEKX-KSDYIIR 174  
QY 125 TLKVKFNSERTIYQHYKNWPDHVPSSIDPILIMDVRCYQEDDSVPICIHCSAGCG 184  
DB 175 TLQVTKESRPHVQLQYNSWPDHVPSSDHLIMWEARCLGLGPGFLCVHCSAGCG 234  
QY 185 RTGVICADITYTWMLKDGIIIPENFSVFLIRNMQRPSTQOYELVNAVLELFR 244  
DB 235 RTGVLCADYVVRQLLTITQIPENFSVFLIRNMQRPSTQOYELVNAVLELFR 294  
QY 245 QM 246  
DB 295 TL 296

RESULT 15  
US-10-243-687-7  
Sequence 7, Application US/10243687  
Publication No. US20030073120A1

GENERAL INFORMATION:  
APPLICANT: Aoki, Naohito  
Ullrich, Axel

TITLE OF INVENTION: PROTEIN TYROSINE PHOSPHATASE PTP20  
AND RELATED PRODUCTS AND METHODS

NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq for Windows 2.0

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/243,687  
FILING DATE: No. US20020169303A1ember 13, 1996

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Job time : 47 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 23, 2004, 14:20:05 ; Search time 19 Seconds  
(without alignments)  
668.420 Million cell updates/sec

Title: US-09-822-295-2\_COPY\_49\_294

Perfect score: 1322  
Sequence: 1 AEKFNKKNRYKDILPYD.....TQEQYELVYNAVLFPKQRM 246

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- Issued Patents AA:\*
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  - 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PTCUS\_COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1322	100.0	807	3	US-09-081-345-2
2	1220	92.3	278	3	US-08-821-278A-18
3	1220	92.3	802	3	US-09-081-345-18
4	945	71.5	272	3	US-08-821-278A-19
5	924	69.9	253	2	US-08-685-992-20
6	924	69.9	253	2	US-09-144-925-20
7	713	53.9	453	3	US-08-951-260A-7
8	713	53.9	453	4	US-09-430-626A-7
9	700	53.0	453	3	US-08-821-278A-2
10	491	37.1	277	2	US-08-685-992-22
11	491	37.1	277	2	US-09-144-925-22
12	488	36.9	1337	3	US-08-954-585-2
13	488	36.9	1337	3	US-09-447-533-2
14	488	36.9	1337	5	PCT-US95-05512-2
15	488	36.9	1439	2	US-08-449-644-2
16	488	36.9	1439	2	US-08-087-244A-2
17	483	36.5	1452	2	US-08-652-971-4
18	483	36.5	1452	2	US-08-991-258A-4
19	483	36.5	1452	2	US-08-769-399-4
20	483	36.5	1452	3	US-08-991-953A-4
21	481	36.4	1452	2	US-08-449-644-8
22	481	36.4	1452	2	US-08-087-244A-8
23	474	35.9	1442	1	US-08-015-986A-3
24	474	35.9	1442	2	US-08-446-363-3
25	474	35.9	1457	2	US-08-652-971-3
26	474	35.9	1457	2	US-08-449-644-1
27	474	35.9	1457	2	US-08-087-244A-1

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29	474	35.9	1457	2	US-08-769-399-3	Sequence 3, Appli
30	474	35.9	1457	3	US-08-991-953A-3	Sequence 3, Appli
31	473	35.8	249	2	US-08-685-992-8	Sequence 8, Appli
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33	472	35.7	292	1	US-08-036-210-12	Sequence 12, Appli
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35	472	35.7	292	4	US-09-361-096A-12	Sequence 12, Appli
36	466	35.2	1445	1	US-08-015-986A-2	Sequence 2, Appli
37	466	35.2	1445	2	US-08-446-363-2	Sequence 2, Appli
38	465	35.2	263	2	US-08-685-992-5	Sequence 5, Appli
39	465	35.2	263	2	US-09-144-925-5	Sequence 5, Appli
40	461.5	34.9	245	2	US-08-685-992-26	Sequence 26, Appli
41	461.5	34.9	245	2	US-09-144-925-26	Sequence 26, Appli
42	461	34.9	248	4	US-09-848-294-10	Sequence 10, Appli
43	461	34.9	593	1	US-08-018-129-5	Sequence 5, Appli
44	461	34.9	593	2	US-08-448-250-5	Sequence 5, Appli
45	461	34.9	593	4	US-09-282-257-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1  
US-09-081-345-2  
; Sequence 2, Application US/09081345  
; Patent No. 6228641  
; GENERAL INFORMATION:  
; APPLICANT: Bahija Jallal  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF  
; TITLE OF INVENTION: PTP04 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; SUITE: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: Storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSEQ for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/081,345  
; FILING DATE: Herewith  
; CLASSIFICATION:  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: 60/047,222  
; FILING DATE: May 20, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 234/253  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 807 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-09-081-345-2

Query Match 100.0%; Score 1322; DB 3; Length 807;  
Best Local Similarity 100.0%; Pred. No. 4.9e-136;

Matches 245; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AEKPKNIKNRYKDILPYDYSRVELSLITSDSSYINANFIKVGYPKAYIATQGPLST 60  
DB 49 AEKPKNIKNRYKOLLIPYDYSRVELSLITSDSSYINANFIKVGYPKAYIATQGPLST 108  
QY 61 TLDDFRMIMWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFPGFVSCEAEKKSD 120  
DB 109 TLDDFRMIMWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFPGFVSCEAEKKSD 168  
QY 121 YIIRTLKVKFNSETRTIYOFHYKNWPDHVPSSIDPILILELWVRCYQEDDVSPICHCS 180  
DB 169 YIIRTLKVKFNSETRTIYOFHYKNWPDHVPSSIDPILILELWVRCYQEDDVSPICHCS 228  
QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQVELYVNAVLE 240  
DB 229 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQVELYVNAVLE 288  
QY 241 LFKRQM 246  
DB 289 LFKRHM 294

RESULT 2  
US-08-821-278A-18  
; Sequence 18, Application US/08821278A  
; Patent No. 6238902  
; GENERAL INFORMATION:  
; APPLICANT: Cheng, Jill  
; APPLICANT: Lasky, Laurence A.  
; TITLE OF INVENTION: Protein Tyrosine Phosphatases  
; FILE REFERENCE: P1010R1  
; CURRENT APPLICATION NUMBER: US/08/821,278A  
; CURRENT FILING DATE: 1997-03-20  
; NUMBER OF SEQ ID NOS: 23  
; SEQ ID NO 18  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-08-821-278A-18

Query Match 92.3%; Score 1220; DB 3; Length 278;  
Best Local Similarity 89.0%; Pred. No. 1.6e-125;  
Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;

QY 1 AEKPKNIKNRYKDILPYDYSRVELSLITSDSSYINANFIKVGYPKAYIATQGPLST 60  
DB 26 AQRPKNIKNRYKDILPYDHSVLVELSLITSDSSYINANFIKVGYPKAYIATQGPLST 85  
QY 61 TLDDFRMIMWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFPGFVSCEAEKKSD 120  
DB 86 TLDDFRMIMWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFPGFVSCEAEKKSD 145  
QY 121 YIIRTLKVKFNSETRTIYOFHYKNWPDHVPSSIDPILILELWVRCYQEDDVSPICHCS 180  
DB 146 YIIRTLKVKFNSETRTIYOFHYKNWPDHVPSSIDPILILELWVRCYQEDDVSPICHCS 205  
QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQVELYVNAVLE 240  
DB 206 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQVELYVNAVLE 265  
QY 241 LFKRQM 246  
DB 266 LFKRHM 271

RESULT 3  
US-09-081-345-18  
; Sequence 18, Application US/09081345  
; Patent No. 6228641  
; GENERAL INFORMATION:  
; APPLICANT: Bahija Jallal  
; APPLICANT: Gregory D. Ploewman

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF  
TITLE OF INVENTION: PTP04 RELATED DISORDERS  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Suite 4700  
STATE: Los Angeles  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: Storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FASTSEQ for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/081,345  
FILING DATE: Herewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/047,222  
FILING DATE: May 20, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 234/253  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 802 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-081-345-18

Query Match 92.3%; Score 1220; DB 3; Length 802;  
Best Local Similarity 89.0%; Pred. No. 7.4e-125;  
Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;

QY 1 AEKPKNIKNRYKDILPYDYSRVELSLITSDSSYINANFIKVGYPKAYIATQGPLST 60  
DB 49 AQRPKNIKNRYKDILPYDHSVLVELSLITSDSSYINANFIKVGYPKAYIATQGPLST 108  
QY 61 TLDDFRMIMWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFPGFVSCEAEKKSD 120  
DB 109 TLDDFRMIMWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFPGFVSCEAEKKSD 168  
QY 121 YIIRTLKVKFNSETRTIYOFHYKNWPDHVPSSIDPILILELWVRCYQEDDVSPICHCS 180  
DB 169 YIIRTLKVKFNSETRTIYOFHYKNWPDHVPSSIDPILILELWVRCYQEDDVSPICHCS 228  
QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQVELYVNAVLE 240  
DB 229 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQVELYVNAVLE 288  
QY 241 LFKRQM 246  
DB 289 LFKRHM 294

RESULT 4  
US-08-821-278A-19  
; Sequence 19, Application US/08821278A  
; Patent No. 6238902  
; GENERAL INFORMATION:  
; APPLICANT: Cheng, Jill  
; APPLICANT: Lasky, Laurence A.

;; TITLE OF INVENTION: Protein Tyrosine Phosphatases  
;; FILE REFERENCE: P1010R1  
;; CURRENT APPLICATION NUMBER: US/08/821,278A  
;; CURRENT FILING DATE: 1997-03-20  
;; NUMBER OF SEQ ID NOS: 23  
;; SEQ ID NO 19  
;; LENGTH: 272  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-08-821-278A-19

Query Match 71.5%; Score 945; DB 3; Length 272;  
Best Local Similarity 68.2%; Pred. No. 2.2e-95;  
Matches 167; Conservative 40; Mismatches 38; Indels 0; Gaps 0;  
QY 2 EKPNIKKRYKDIIPYDYSRVLSLITSDSSVINANFIKGVYGPYKAYIATQGPLSTT 61  
DB 27 EKEENVKKNRYKDIIPDHSRVKLTLPSPQSDSYINANFIKGVYGPYKAYIATQGPLANT 86  
QY 62 LLDFFRMWVYSLIIIVMACMEYEMGKKCYRYWAEFGEMQLEFGPFSVSCAEKRSYD 121  
DB 87 VIDFWRMWEYVNVIIIVMACREFEMGRKKCYRYWPLYGEDPITPAFFKISCDEQARTDY 146  
QY 122 IIRTLKVNSETRTTIYQHYKNWPDHVPSSIDPILILELWDVRCYQEDDSVPICHCSEA 181  
DB 147 FIRTLLFEQNESRRLYQHYVNWPDHVPSSFDSDILMSLMKRYQEHEDVFCIHCSA 206  
QY 182 GCGRTGVCIDYTWMLLKDGIIIPENFSVSLIREMTQPSLVTQEQYELVYNAVLEL 241  
DB 207 GCGRTGAICADYTWMLLKAGKIPEEFNVFNLIQEMRTQHSVQTKQYELVHRAIAQL 266  
QY 242 FKQRM 246  
DB 267 FEKQL 271

RESULT 5  
US-08-685-992-20  
; Sequence 20, Application US/08685992  
; Patent No. 5912138  
; GENERAL INFORMATION:  
; APPLICANT: Tonks, Nicholas  
; APPLICANT: Flint, Andrew J.  
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN  
; TITLE OF INVENTION: TYROSINE PHOSPHATASES  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/685,992  
; FILING DATE: 25-JUL-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Granahan, Patricia  
; REGISTRATION NUMBER: 32,227  
; REFERENCE/DOCKET NUMBER: CSHL96-03  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 781-861-6240  
; TELEFAX: 781-861-9540  
; TELEX:

;; INFORMATION FOR SEQ ID NO: 20:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 253 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-08-685-992-20

Query Match 69.9%; Score 924; DB 2; Length 253;  
Best Local Similarity 67.3%; Pred. No. 4.1e-93;  
Matches 165; Conservative 40; Mismatches 38; Indels 2; Gaps 1;  
QY 2 EKPNIKKRYKDIIPYDYSRVLSLITSDSSVINANFIKGVYGPYKAYIATQGPLSTT 61  
DB 8 EKEENVKKNRYKDIIPDHSRVKLTLPSPQSDSYINANFIKGVYGPYKAYIATQGPLANT 67  
QY 62 LLDFFRMWVYSLIIIVMACMEYEMGKKCYRYWAEFGEMQLEFGPFSVSCAEKRSYD 121  
DB 68 VIDFWRMWEYVNVIIIVMACREFEMGRKKCYRYWPLYGEDPITPAFFKISCDEQARTDY 127  
QY 122 IIRTLKVNSETRTTIYQHYKNWPDHVPSSIDPILILELWDVRCYQEDDSVPICHCSEA 181  
DB 128 FI--LLELFEQNESRRLYQHYVNWPDHVPSSFDSDILMSLMKRYQEHEDVFCIHCSA 185  
QY 182 GCGRTGVCIDYTWMLLKDGIIIPENFSVSLIREMTQPSLVTQEQYELVYNAVLEL 241  
DB 186 GCGRTGAICADYTWMLLKAGKIPEEFNVFNLIQEMRTQHSVQTKQYELVHRAIAQL 245  
QY 242 FKQRM 246  
DB 246 FEKQL 250

RESULT 6  
US-09-144-925-20  
; Sequence 20, Application US/09144925  
; Patent No. 5951979  
; GENERAL INFORMATION:  
; APPLICANT: Tonks, Nicholas  
; APPLICANT: Flint, Andrew J.  
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN  
; TITLE OF INVENTION: TYROSINE PHOSPHATASES  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02421-4799  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/144,925  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/685,992  
; FILING DATE: July 25, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Granahan, Patricia  
; REGISTRATION NUMBER: 32,227  
; REFERENCE/DOCKET NUMBER: CSHL96-03Z  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 781-861-6240  
; TELEFAX: 781-861-9540  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:

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; LENGTH: 253 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-144-925-20

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Query Match 69.9%; Score 924; DB 2; Length 253;
Best Local Similarity 67.3%; Pred. No. 4.1e-93;
Matches 165; Conservative 40; Mismatches 38; Indels 2; Gaps 1;

QY 2 EKPNKKRYKDLIPDYRSVLSLITSDSSVINANFIKGVYGPAYATQGLPLSTT 61
DB 8 EKENKKRYKDLIPDHSRVLTLPSPQSDYINANFIKGVYGPAYATQGLPLANT 67
QY 62 LLDPRMIWYSVLIIWVACMEYEMGKKCKERYWAEFGPMQLEFGFPFVSCEAEKRSKY 121
DB 68 VDFPRWVWYVYVLIWVACREFEMGKKCKERYWPLGYEDPTTFAPFKISCEDEQARTDY 127
QY 122 IITLVKFNSETRTIYQHYKMWPDHVPSSIDPILWVRCYQSDSVPICHCSA 181
DB 128 FII-LLEFQNESRRLLYQHYVWPDHVPSSIDPILWVRCYQSDSVPICHCSA 185
QY 182 GCGRTGIVCAIDYTWMLLKDGIIIPENFVSFLIREMRTORPSLIVOTQOYELVNAVLEL 241
DB 186 GCGRTGIVCAIDYTWMLLKAGKIIPEEFNVNLIQENRTORHSAVOTKQYELVHRAIAQL 245
QY 242 FKRQM 246
DB 246 FEKQL 250

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## RESULT 7

```

US-08-951-260A-7
; Sequence 7, Application US/08951260A
; Patent No. 6004791

```

```

; GENERAL INFORMATION:
; APPLICANT: Aoki, Naohito
; APPLICANT: Ullrich, Axel
; TITLE OF INVENTION: PROTEIN TYROSINE PHOSPHATASE PTP20
; TITLE OF INVENTION: AND RELATED PRODUCTS AND METHODS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/951,260A
; FILING DATE: October 16, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,860
; FILING DATE: No. 6004791ember 13, 1996
; APPLICATION NUMBER: PCT/1897/00946
; FILING DATE: June 17, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 227/004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

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## ; INFORMATION FOR SEQ ID NO: 7:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 453 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-06-951-260A-7

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```

Query Match 53.9%; Score 713; DB 3; Length 453;
Best Local Similarity 53.7%; Pred. No. 1.3e-69;
Matches 130; Conservative 41; Mismatches 69; Indels 2; Gaps 2;

QY 6 NIKKNRYKDLIPDYRSVLSLITSDSSVINANFIKGVYGPAYATQGLPLSTLLDF 65
DB 56 NSKNRYKDVVYDETRVLSLLQEGHGDYINANFIRGTGDSQAYIATQGLPLHTLLDF 115
QY 66 WRMVWYSVLIIWVACMEYEMGKKCKERYWAEFGPMQLEFGFPFVSCEAEKR-KSDYIIR 124
DB 116 WRLVWFGIKVILMACQETENGRRKCKERYWAEFGPMQLEFGFPFVSCEAEKR-KSDYIIR 174
QY 125 TLKVKFNSETRTIYQHYKMWPDHVPSSIDPILWVRCYQSDSVPICHCSAGCG 184
DB 175 TLQVIFQKESRFPVHOLQYMSWPDHVPSSIDPILWVRCYQSDSVPICHCSAGCG 234
QY 185 RTGVICADYTWMLLKDGIIIPENFVSFLIREMRTORPSLIVOTQOYELVNAVLEL 244
DB 235 RTGVICADYTWMLLKDGIIIPENFVSFLIREMRTORPSLIVOTQOYELVNAVLEL 244
QY 245 QM 246
DB 295 TL 296

```

## RESULT 8

```

US-09-430-626A-7
; Sequence 7, Application US/09430626A
; Patent No. 6492605

```

```

; GENERAL INFORMATION:
; APPLICANT: Aoki, Naohito
; APPLICANT: Ullrich, Axel
; TITLE OF INVENTION: PROTEIN TYROSINE PHOSPHATASE PTP20
; TITLE OF INVENTION: AND RELATED PRODUCTS AND METHODS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/430,626A
; FILING DATE: 29-Oct-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/951,260
; FILING DATE: October 16, 1997
; APPLICATION NUMBER: 60/030,860
; FILING DATE: No. 6482605ember 13, 1996
; APPLICATION NUMBER: PCT/1897/00946
; FILING DATE: June 17, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 227/004

```

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 453 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: Peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
US-09-430-626A-7

Query Match 53.9%; Score 713; DB 4; Length 453;  
Best Local Similarity 53.7%; Pred. No. 1.3e-69;  
Matches 130; Conservative 41; Mismatches 69; Indels 2; Gaps 2;

QY 6 NIKNRYKDIILPYDSRVLSLITSDSSYINANFIKGVGPKAYIATQGPLSTLLDF 65  
Db 56 NSKNRYKDVVPYDETRVILSLQEEGHGDIYANFIRGTGSOAYIATQGPLPHTLLDF 115  
QY 66 WRMIWEYSVLIIIVNACMEYEMGKKKCRYWAEPCEMOLFGPFSVCEAEKR-KSDYIIR 124  
Db 116 WRLVWFEFGKIVLVNACQETENGRRKCRYWAQERE-PLQAGPFCITLTKETALTSDITLR 174  
QY 125 TLKVFNSERTIYQHYKNWPDHVPSSIDPILILELIWDVRCYQEDDSVPICHCAGCG 184  
Db 175 TLQVTFQKSRPVHQLQVMSWPDGVPSSDHILTMVEARCLQGLGPGPLCVHCAGCG 234  
QY 185 RTGVICAIDYTWMLKDGIIIPENFSVLIRMTQRPSPVOTQEQYELVYNAVLELFR 244  
Db 235 RTGVLCADVVRQLLTQTIPNFSLVLEVMRKORPAVQEEQYRFLYHTVAQLFSR 294  
QY 245 QM 246  
Db 295 TL 296

RESULT 9  
US-08-821-278A-2  
; Sequence 2, Application US/08821278A  
; Patent No. 6238902  
; GENERAL INFORMATION:  
; APPLICANT: Cheng, Jill  
; APPLICANT: Lasky, Laurence A.  
; TITLE OF INVENTION: Protein Tyrosine Phosphatases  
; FILE REFERENCE: P10101  
; CURRENT APPLICATION NUMBER: US/08/821.278A  
; CURRENT FILING DATE: 1997-03-20  
; NUMBER OF SEQ ID NOS: 23  
; SEQ ID NO 2  
; LENGTH: 453  
; TYPE: PRT  
; ORGANISM: Mus Musculus  
US-08-821-278A-2

Query Match 53.0%; Score 700; DB 3; Length 453;  
Best Local Similarity 52.9%; Pred. No. 3.4e-68;  
Matches 128; Conservative 42; Mismatches 70; Indels 2; Gaps 2;

QY 6 NIKNRYKDIILPYDSRVLSLITSDSSYINANFIKGVGPKAYIATQGPLSTLLDF 65  
Db 56 NTKNRYKDVVAYDERFVILSLQEEGHGNYINANFIRGIDGSOAYIATQGPLPHTLLDF 115  
QY 66 WRMIWEYSVLIIIVNACMEYEMGKKKCRYWAEPCEMOLFGPFSVCEAEKR-KSDYIIR 124  
Db 116 WRLVWFEFGKIVLVNACQETENGRRKCRYWAQERE-PLKAGPFCITLTKETILNADITLR 174  
QY 125 TLKVFNSERTIYQHYKNWPDHVPSSIDPILILELIWDVRCYQEDDSVPICHCAGCG 184  
Db 175 TLQVTFQKSRPVHQLQVMSWPDGVPSSDHILTMVEARCLQGLGPGPLCVHCAGCG 234

QY 185 RTGVICAIDYTWMLKDGIIIPENFSVLIRMTQRPSPVOTQEQYELVYNAVLELFR 244  
Db 235 RTGVLCADVVRQLLTQTIPNFSLVLEVMRKORPAVQEEQYRFLYHTVAQLFSR 294  
QY 245 QM 246  
Db 295 TL 296

RESULT 10  
US-08-685-992-22  
; Sequence 22, Application US/08685992  
; Patent No. 5912138  
; GENERAL INFORMATION:  
; APPLICANT: Tonks, Nicholas  
; APPLICANT: Flint, Andrew J.  
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN  
; TITLE OF INVENTION: TYROSINE PHOSPHATASES  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: FASSEQ for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/685.992  
; FILING DATE: 25-JUL-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Granahan, Patricia  
; REGISTRATION NUMBER: 32,227  
; REFERENCE/DOCKET NUMBER: CSHL96-03  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 781-861-6240  
; TELEFAX: 781-861-9540  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 22:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 277 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-685-992-22

Query Match 37.1%; Score 491; DB 2; Length 277;  
Best Local Similarity 38.0%; Pred. No. 1.4e-45;  
Matches 105; Conservative 40; Mismatches 89; Indels 42; Gaps 7;

QY 2 BKPNKIKNRYKDIILPYDSRVLSLITSDSSYINANFIKGVGPKAYIATQGPLSTT 61  
Db 8 DKKNTSKNRYTNILPVNHTVQLKKIODEGSDYINANYIDGAY-PKQFICTQGPLNT 66  
QY 62 LLDFFRMIMWEYSVLIIIVNACMEYEMGKK---KCRYWAEP-----GEMQLEFGPFS 109  
Db 67 IADFFRMWENRCRIIVMLSESECSNCRICKDRYWPQICGGQFSYVGNVNEVFGTYS 126  
QY 110 VSCEAEKESDYIIRTLKVKFNSERTIYQHYKNWPDHVPSSIDPILILELIWDVRCYQ- 168  
Db 127 VELVEVICRILITRNILFTFEGETRIDTQYEGWPDHNPIDHTQPRQLLHSHITNRQN 186  
QY 169 -----EDDSVPICHCAGCGRTGVICA-----IDYTWMLKDGIIIPENFS 209

Db 187, QIIPSSDRNVPVIVHCAGVGRGTCTTAVIMMKKLDHYFKQLDYNRSRI-----DPN 238

QY 210 VFSILIREMRTQPSLVQTQEQVELVYNAVL-ELFKR 244

Db 239 LFSIVLKUREQRPQGVQLEQVLCYKLTILDEIYHR 274

RESULT 11

US-09-144-925-22

Sequence 22, Application US/09144925

Patent No. 5951979

GENERAL INFORMATION:

APPLICANT: Tonks, Nicholas

APPLICANT: Flinn, Andrew J.

TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN

TITLE OF INVENTION: TYROSINE PHOSPHATASES

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: USA

ZIP: 02421-4799

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows 95

SOFTWARE: FASTSEQ for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/144,925

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/685,992

FILING DATE: July 25, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REFERENCE/DOCKET NUMBER: CSHL96-032

TELECOMMUNICATION INFORMATION:

TELEPHONE: 781-861-6240

TELEFAX: 781-861-9540

TELEX:

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-144-925-22

Query Match 37.1%; Score 491; DB 2; Length 277;

Best Local Similarity 38.0%; Pred. No. 1.4e-45;

Matches 105; Conservative 40; Mismatches 89; Indels 42; Gaps 7;

QY 2 EKPKNIKKNRYKDILPYDSRVLSLTSDESSYINANFIKGVYKAYIATQGPLSTT 61

Db 8 DKHNTSKNRYNIIIPVNHTRVQLKKIQDKESDYINANYIDGAY-PKQFICTQGPLNT 66

QY 62 LLDQFWRMIWESVLIIVMACMEYENGKK---KCBRYWAEPP-----GEMQLEFGPFS 109

Db 67 IADFWRMWENRCRIIVLMSRESEGENCRICKDRYWPQIGGEQFSYGNNGNEVFGTYS 126

QY 110 VSCAEAKRSDYIIRTLKVKFNSETRTTYQFHYKNWPDHVPSSIDPILILEWVRCYQ- 168

Db 127 VELVEIQCREIITRNIRITFEGEDITQYQEGCPDHPDHTQPPRQLLHSTNRQN 186

QY 169 -----EDDSVPICIRCSACGRGTGICA-----IDYTWMLKDGIIIPENFS 209

Db 187 QIIPSSDRNVPVIVHCAGVGRGTCTTAVIMMKKLDHYFKQLDYNRSRI-----DPN 238

QY 210 VFSILIREMRTQPSLVQTQEQVELVYNAVL-ELFKR 244

Db 239 LFSIVLKUREQRPQGVQLEQVLCYKLTILDEIYHR 274

RESULT 12

US-08-854-585-2

Sequence 2, Application US/08854585

Patent No. 6114140

GENERAL INFORMATION:

APPLICANT: Tonks, Nicholas K. and stman, Arne

TITLE OF INVENTION: Density Enhanced Protein Tyrosine Phosphatase

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 233 South Wacker Drive, Suite 6300

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/854,585

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/237,940

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Borun, Michael P.

REGISTRATION NUMBER: 25,447

REFERENCE/DOCKET NUMBER: 27866/31954

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-474-6300

TELEFAX: 312-474-0448

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1337 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-854-585-2

Query Match 36.9%; Score 488; DB 3; Length 1337;

Best Local Similarity 41.2%; Pred. No. 2.8e-44;

Matches 103; Conservative 45; Mismatches 90; Indels 12; Gaps 6;

QY 1 AEKPKNIKKNRYKDILPYDSRVLSLTSDESSYINANFIKGVYKAYIATQGPLST 60

Db 1060 AELAENRGKNRYNVLPIYDISRVKLSVQTHSTD-DYINANYMPGVHKKDKFIATQGPLN 1118

QY 61 TLDFWRMIWESVLIIVMACMEYENGKKCBRYWAEPPGEMQLEFGPFSVSCAEAKRSD 120

Db 1119 TLKDFWRMIWESVLIIVMACMEYENGKKCBRYWAEPPGEMQLEFGPFSVSCAEAKRSD 1176

QY 121 YIIRTLKVK--FNSETRTTYQFHYKNWPDHVPSSIDPILILEWVRCY--QEDDSVPIC 176

Db 1177 WTRDFTVKNIQITSESHPLRQFHTSWPDHGVPTDITLLINFRYLVRDYMKOSPSPIL 1236

QY 177 IHCACGGRGTGICADYTWMLLKDGIIIPEN-FSVFSLIREMRTQPSLVQTQEQVELVY 235

Db 1237 VHCAGVGRGTGIIADRIIYQIEN----ENTVDYVIGYVDLMHRPLMVQEDQYVFLN 1292

QY 236 NAVLELFKRX 245

Db 1293 QCVLDIRSQ 1302

RESULT 13

US-09-447-533-2

; Sequence 2, Application US/09447533  
; Patent No. 6552169  
; GENERAL INFORMATION:  
; APPLICANT: Tonks, Nicholas K.  
; Ostrman, Arne

; TITLE OF INVENTION: DENSITY ENHANCED PROTEIN TYROSINE  
; PHOSPHATASES

; NUMBER OF SEQUENCES: 6

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed IP Law Group PLLC  
; STREET: Suite 6300, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/447,533  
; FILING DATE: 23-Nov. 6552169-1999

; CLASSIFICATION: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Rosenman Ph.D., Stephen J.  
; REGISTRATION NUMBER: 43,058

; REFERENCE/DOCKET NUMBER: 200125.402C1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1337 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-447-533-2

Query Match 35.9%; Score 488; DB 4; Length 1337;  
Best Local Similarity 41.2%; Pred. No. 2.8e-44;  
Matches 103; Conservative 45; Mismatches 90; Indels 12; Gaps 6;

QY 1 AEKPKNIKKNRYKDILPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60  
DB 1060 AELAEKNGKRYNNVLPDYSRVKLSVQTHSTD-DYINANFYGYSKDKFIATQGPLN 1118

QY 61 TLDDFWMIWEYSVLIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKRKSD 120  
DB 1119 TLKDFWRMWEKNVYAIIMLTKEVQGRKCEYW--PSKQADQYDGTIVAMTSEIVLPE 1176

QY 121 YIIRTLVKV--FNSERTIYQHYKNWPDHDPVSSIDPILLELWDVRCY--QEDDSVPIC 176  
DB 1177 WTIRDFVKNIQTSSEHPLRQPHFTSWPDHGVDPDTDLLINFRYLVRDYNKQSPESPIL 1236

QY 177 IHCSAGCGRTGVICAIDYTMLLKDGIIIPEN-FSVFSLIREMRTQPSLVQTOEQVELVY 235  
DB 1237 VHCSAGVGRGTGTFIADRLIYQIEN----ENTVDVYGVYDLRMHRLPMVQEDQYVFLN 1292

QY 236 NAVLELFRQ 245

DB 1293 QCVLDIVRSQ 1302

RESULT 14

PCT-US95-05512-2

; Sequence 2, Application PC/TUS9505512

; GENERAL INFORMATION:

; APPLICANT: Tonks, Nicholas K. and stman, Arne

; TITLE OF INVENTION: Density Enhanced Protein Tyrosine

; PHOSPHATASE

; NUMBER OF SEQUENCES: 6

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &  
; ADDRESSEE: Borun  
; STREET: 233 South Wacker Drive, Suite 6300  
; CITY: Chicago

; STATE: Illinois

; COUNTRY: United States of America

; ZIP: 60606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/05512

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Borun, Michael F.

; REGISTRATION NUMBER: 25,447

; REFERENCE/DOCKET NUMBER: 27866/31954

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312-474-6300

; TELEFAX: 312-474-0448

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1337 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; PCT-US95-05512-2

Query Match 36.9%; Score 488; DB 5; Length 1337;

Best Local Similarity 41.2%; Pred. No. 2.8e-44;

Matches 103; Conservative 45; Mismatches 90; Indels 12; Gaps 6;

QY 1 AEKPKNIKKNRYKDILPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60  
DB 1060 AELAEKNGKRYNNVLPDYSRVKLSVQTHSTD-DYINANFYGYSKDKFIATQGPLN 1118

QY 61 TLDDFWMIWEYSVLIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKRKSD 120  
DB 1119 TLKDFWRMWEKNVYAIIMLTKEVQGRKCEYW--PSKQADQYDGTIVAMTSEIVLPE 1176

QY 121 YIIRTLVKV--FNSERTIYQHYKNWPDHDPVSSIDPILLELWDVRCY--QEDDSVPIC 176  
DB 1177 WTIRDFVKNIQTSSEHPLRQPHFTSWPDHGVDPDTDLLINFRYLVRDYNKQSPESPIL 1236

QY 177 IHCSAGCGRTGVICAIDYTMLLKDGIIIPEN-FSVFSLIREMRTQPSLVQTOEQVELVY 235  
DB 1237 VHCSAGVGRGTGTFIADRLIYQIEN----ENTVDVYGVYDLRMHRLPMVQEDQYVFLN 1292

QY 236 NAVLELFRQ 245

DB 1293 QCVLDIVRSQ 1302

RESULT 15

US-08-449-644-2

; Sequence 2, Application US/08449644

; Patent No. 5856162

; GENERAL INFORMATION:

; APPLICANT: Schlessinger, Joseph

; APPLICANT: Sap, Jan M.

; APPLICANT: Ulrich, Axel

; APPLICANT: Vogel, Wolfgang

; APPLICANT: Fuchs, Miriam

; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE

; PHOSPHATASE-KAPPA

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: PENNIE & EDMONDS

; STREET: 1155 Avenue of the Americas

; CITY: New York

Search completed: July 23, 2004, 14:23:16  
Job time : 20 secs